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# Video material archive system for efficient video editing based on media identification

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## Abstract

This paper proposes a new media identification related application; a video material archive system for efficient video editing. This system allows content creators to track the usage history of all the archived materials to support their acces to the desired materials. It also provides the citation frequency of each material so that creators can measure its importance. A feature-based media identification method is employed to create the usage history and the citation frequency data. Experimental results show that the use of this identification method makes it possible to create those da fully automatically without forcing any changes to the existing devices.

## Index Terms
Inspec
### Controlled Indexing
content-based retrieval   information retrieval systems   multimedia communication   multimedia computing   multimedia databases   video signal processing   visual databases

### Non-controlled Indexing
archived materials access   content creators   feature-based media identification method   materials citation frequency   media identification   usage history tracking   video editing   video material archive system
## Author Keywords
Not Available

## References

No references available on IEEE Xplore.

## Citing Documents

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# Digital rights management and watermarking of multimedia content for m-commerce applications

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## Abstract
E-commerce has become a huge business and a driving factor in the development of the Internet. Online shopping services are well established and will, with the advent of evolved 2G and 3G mobile networks, soon be complemented b' their wireless counterparts. Furthermore, online delivery of digital media, such as MP3 audio or video, is very popular today and will become an increasingly important part of e-commerce and mobile e-commerce (m-commerce). However, major obstacle for digital media distribution and associated business is the possibility of unlimited consecutive copying ir the digital domain, which threatens intellectual property rights (e.g., copyrights). Digital rights management systems are required to protect rights and business. DRM systems typically incorporate encryption, conditional access, copy control mechanisms, and media identification and tracing mechanisms. Watermarking is the technology used for copy control ar media identification and tracing. Most proposed watermarking methods use a so-called spread spectrum approach: a pseudo-noise signal with small amplitude is added to the host signal, and later on detected using correlation methods. A secret key is used to ensure that the watermark can only be detected and removed by authorized parties. Thus, watermarking is an essential component of modern DRM systems. Several standardization bodies are involved in DRM standardization. Some examples, (MPEG-4, SDMI, and DVD), are discussed in this article. Watermarking as an enablin( technology is especially highlighted. Furthermore, the relation between DRM and m-commerce, and the impact on business models for m-commerce are discussed. A common experience today is that Internet e-commerce applications cannot always easily be adapted for mobile telecommunications systems. We emphasize, however, that DRM and watermarking can benefit from the additional information available in mobile telecommunications systems, and can thus help to improve rights management for digital media delivery.

## Index Terms
Inspec
### Controlled Indexing
Internet  copy protection  electronic.commerce  industrial property  land mobile radio  multimedia communication  security of data  standardisation

### Non-controlled Indexing
DRM standardization  MP3 audio  MP3 video  business  conditional access  copy control mechanisms copyrights  digital media  digital media distribution  digital rights management  digital watermarking  e-commerce  encryption  intellectual property rights  m-commerce applications  media identification mobile e-commerce  mobile networks  multimedia content  online delivery  online shopping services secret key  spread spectrum  tracing mechanisms

## Author Keywords
Not Available

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